

## C-Band Tunable Fiber Laser



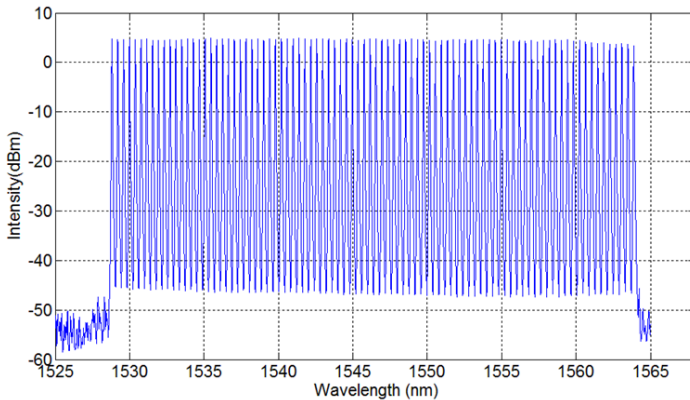
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## C-Band Tunable Laser (1529 -1567nm)

SIMTRUM's C-Band Tunable Laser covers 1529 to 1567 nm, offering 96 ITU-T standard wavelengths with 50GHz spacing for versatile applications. Featuring an adjustable filter and high-gain chip, this laser provides high output power, narrow linewidth, and precise wavelength accuracy. Equipped with a dedicated control circuit, HD color LCD, and optional software, it enables easy wavelength adjustments. Ideal for DWDM system R&D, fiber lasers, optical testing, and more.



### Features

- 96 ITU-I standard wavelengths
- High power stability
- High side mode suppression ratio

### Application

- DWDM system
- Fiber optic link
- Optical device testing

### Specifications

Optical Parameters	Unit	Typical Value		Remarks
Wavelength Range	nm	1529.16 ~ 1567.13		ITU standard H60-C13
Frequency Range	THz	191.3 ~ 196.05		
Channel Spacing	GHz	50		Equivalent to 0.4nm
Side Mode Suppression Ratio	dB	>50		
Number of Channels	-	96		
Output Power	mW	20/100/200/300		
Instability(15min.in)	dB	≤ ±0.01		Single wavelength, full temperature
Instability(8 hr)	dB	≤ ±0.025		Single wavelength, full temperature
Polarization State	-	Random	Linear polarization	
Optical Fiber	-	SMF-28	PM1550	
Fiber connector	-	FC/APC	FC/APC (slow axis alignment)	

## Specifications

General Parameters	Desktop
Control Function	Keystroke / RS232 serial Communication
Remote control Port	DB9 Female
Power Supply	AC100~240V, <30W
Dimensions	260(W)×280(D)×120(H)mm
Operation Temperature	-5~+35°C
Operation Humidity	0~70%

Ordering Information/ Product Code				
Series	Wavelength(nm)	Output Power(mW)	Fiber	Packaging
STFL	C-96 = C-Band 96 wavelength	20/100/200/300	SM - SMF-28	B - Desktop
			PM - PM1550	